

Statistical Analysis of Research Data
in Natcher Conference Center, Balcony A
is sponsored by the NCI Center for Cancer Research
Office of Training and Education.

The lecturer is Paul Thurman of Columbia University (Paul.Thurman@columbia.edu).

AGENDA

Feb. 12, 2004 Univariate Data Analysis

- 9:30 a.m. • Descriptive Statistics
 • Data/probability distributions (with focus on Normal)
 • Sampling distributions (mean and variance)
- 12:00 noon Lunch Break
- 1:00 p.m. • Small vs. large samples
 • One-sample inferential statistics: means, variances, confidence intervals
- 3:00 p.m. Break
- 3:15 p.m. • Two-sample inferential stats: two-sample t-tests (paired vs.
 independent; means and proportions)
- Tutorials: Excel tutorials on descriptive statistics, histograms, two-sample tests of means*
- 5:00 p.m. Close

Feb. 13, 2004 Bivariate Data Analysis

- 8:30 a.m. • Review of univariate analysis
 • Bivariate statistics (covariance, correlation, etc.)
- 10:00 a.m. Break
- 10:15 a.m. • Simple linear regression
- 12:00 noon Lunch Break
- 1:00 p.m. • Multiple linear regression
- 3:00 p.m. Break
- 3:15 p.m. • Non-parametric tools: Chi-squared, Wilcoxon, Mann-Whitney goodness
 of fit tests (as time permits)
- Tutorials: Regression, Chi-Squared, and ANOVA tests (as time permits)*
- 4:45 p.m. Close

For additional information contact the Course Coordinator, Dr. Terry Moody
(moodyt@mail.nih.gov). Phone 301-451-9451 or FAX 301-480-4323. Dr. Moody's
office is in Bldg. 31, Rm. 3A34.